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PRESIDENT CARTER APPOINTS FEDERAL METRIC BOARD.

Attention Metric Planning Manager

How to Go Metric Without Getting Clobbered

HOW YOU WILL

METRIC LAW



PL 94-168

BE AFFECTED

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AMJ PUBLISHING COMPANY, TARZANA, CALIFORNIA 91356

EVERYONE'S INVOLVED

Dear Reader:

The new federal metric act (PL 94-168), signed into law on December 23, 1975, officially raises the flag for America's metric race to begin. "We are witness to a remarkable revolution-" states Wilson Riles, California's State Superintendent of Education "A complete change in the measurement vocabulary of every school age and older citizen!" This legislation will trigger so many new metric laws, future metric regulations and fundamental changes that the White House (probably in view of the 76 election year) suspended the issue of a customary public news statement that would explain the eye-opening significance of this legislation.

Look at a few of the massive metric changes the federal government and the states have leaped ahead with already!

1. The Federal Highway Administration is posting metric speed and distance signs on some federal highways!
2. The United States Weather Service has started giving weather reports in metric units!
3. The U.S. Department of Education was voted 30 million dollars to fund metric education projects in the state schools!
4. Federal agencies have received the go-ahead to use procurement leverages to accelerate metric conversion of suppliers and contractors!
5. The Forest Service and National Park Service are adding metric to all of their signs and brochures!
6. The Department of Alcohol, Tobacco and Firearms has set a 1979 deadline for the metric conversion of wines and 1980 for liquor!
7. The Patent Office now requires all new patent applications be in metric!
8. The Federal Trade Commission has extended the Fair Packaging and Labeling Act to include metric equivalents with net quantities on consumer packages!
9. 32 of the states have already taken some type of formal metric action in their state legislatures and/or state school boards (grades K-8 will be taught metric this fall in 28 states)!
10. The Pennsylvania and Florida State Bureaus of Weights and Measures have recently finished pilot tests to determine customer reaction to buying gasoline by the litre. (Reaction was favorable)!

Senator Claiborne Pell just introduced legislation (S. Res. 453) requiring metric units be used in all U.S. Congressional bills, laws and acts. And more legislation with real "metric clout" is soon to be voted on. One thing for sure, as the President suggests below, the metric system will somehow affect everyone whether it's when they fill up their car in litres at the gas pump, buy groceries by the kilogram, fill out a form at work, or help their children with homework.

"I sign the bill with the conviction that it will enable our country to adopt increasing use of this convenient measurement language... both at home, in our schools and factories, and overseas with our trading partners."

So,.... how do you get started?

The best way to start is to grab the bull by the horns - that means get the facts... accumulate broad-based metric information. Details are often hard to find tucked away in research papers and conference proceedings but there are plenty around. **FACT:** During the next ten years, more will be written about metric than has been written since metric was invented over a hundred years ago! More will be written about the SI than about any measurement system in all history!

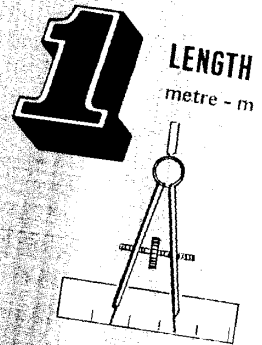
Now, this is where the AMERICAN METRIC JOURNAL can take a load off your shoulders.

The AMERICAN METRIC JOURNAL's exclusive business for the last four years has been supplying federal and state agencies with metric information. Metric is our only business. We chronicle this avalanche of new metric information and reduce it to 51 categories ready for quick usage. Cardinal points are nailed down and the whole picture brought into sharp focus. In the JOURNAL you'll find sound practical ideas for turning the most pressing metric problems into great new opportunities to save time and money. Our staff explains the stiff new metric rules written by U.S. federal agencies. We'll unfold step by step metric teaching procedures and learning tips. You'll read abstracts of the newest metric books on the market. Most important, the JOURNAL shares with readers the wisdom of hundreds of international metric experts who are concentrating their talents on those critical matters that we must all successfully face during America's Metric Age.

As America's metric pulse grows stronger, the JOURNAL becomes more and more a necessity for any busy up-to-date library. Subscribe to the JOURNAL and let us help you master the metric system, cut problems down to size, boost efficiency and save time during transition.

Cordially,

Program Administrator





Headline from a United Press (UPI) story...

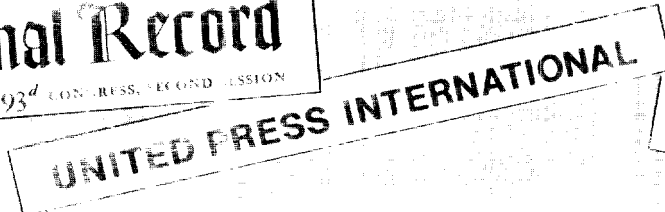
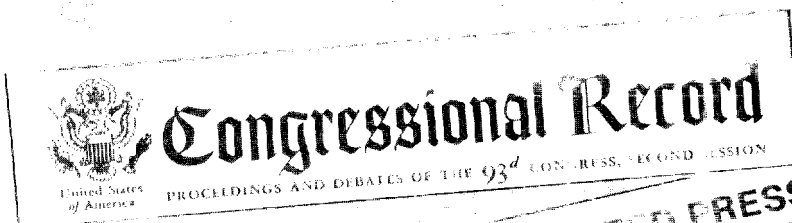
**"SOON YOU'LL NEED METRIC
TO HANG ON TO YOUR JOB"**

Byline: William Yee
United Press International story

Aims and Scope

Published since September, 1973 the *American Metric Journal* (AMJ-SI-Metricpac/ISSN 0094-3096) is the oldest comprehensive metric information service in the United States. The publisher's objective is to provide government, public, school, institutional and corporate libraries with both extensive and intensive metric information. The *Journal's* editorial effort is on supplying teachers, management, trainers and metrication officers with optimum methods of planning the transition and educating students, workers, teachers, etc. The *Journal* has contacts with hundreds of government agencies, professional,

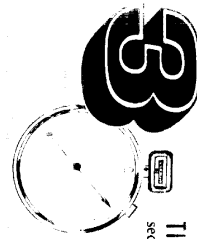
business and educational associations across the country and around the world. AMJ receives the latest SI updates and changes directly from Europe. The *Journal* provides a national forum for the exchange of ideas on solving metric related problems and cooperates with many groups to help coordinate the conversion of the public and private sectors. Members of the staff were delegates for the (U.S.) National Science Foundation at the North American/Australian Metric Conferences conducted in New Zealand and Australia. They travel around the world reporting metric progress.



Most Quoted Metric Source in America

The *American Metric Journal* was formed by Polymetric Services, Inc. of Los Angeles with the support of the National Bureau of Standards and various state education agencies. During the early 1970's, Polymetric was the only private sector organization *exclusively* publishing educational aids and books in SI metric units. The staff have been metric consultants for award winning movies, textbooks and state education agencies. They have appeared in numerous television and radio metric specials, and are well known on the "Hill" in Washington, D.C. for their metric expertise. The Editor-in-Chief is quoted at length in the *Congressional Record*. He evaluated school and university metric proposals for the U.S. Office of Education. In the 1975 Congressional hearings for metric bill HR 8674, the *Journal* and staff were cited and quoted over 7 times. AMJ has been quoted in hundreds of

magazine and newspaper articles (including the *Wall Street Journal* and *U.S. News and World Report*). Professor Howard M. Falkner of the University of Maine summarily states in an open letter to the *Journal* "Congratulations on the very fine efforts you and your staff have made to promote the cause of a metric America. There can be no question that the *American Metric Journal* has played an active role in the metric movement in our country." Wilson Riles, California's Superintendent of Education said in a letter to the Editor-in-Chief, "...we find ourselves in the middle of the (metric) revolution and liking it. The efficiency of that change is to be credited to a number of *conscientious leaders such as yourselves* who have supported uniformity and consistency in the use of SI metrics."



TIME
second - 5
A cross section of typical articles in previous
issues. Some information will appear in
current units.

Metric Experts from Around the World

A SELECTION OF JOURNAL METRIC CONVERSION PAPERS

These papers available only in back issues.
See page 4.

"The Metric Converter"	1.2.11	"United States Dept. of Defense Cons. Metric"	2.4.57	"Metric for Millions/Ready or Not"	3.3.20	"AFL-CIO Speaks Out on Metrics"	3.4.40	"State Responsibility in Metric Conversion"	4.3.137
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John T. Feick, Professor, Industrial Arts Division
Cheyney State College

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D.W. Argue, Metric Training Mgr.
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Ernst J. Rubin, Metric Trainer, Oregon

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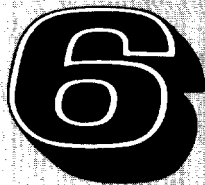
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By John A. Miller

SI FOR USE IN DESIGN and CONSTRUCTION

The correct utilization of SI units for design and construction is essential to ensure an effective communication between the various design disciplines.

Non-SI Units for Architecture and Engineering

Quantity	SI Unit	Common Abbreviation	Common Abbreviation
Length	meter	m	metre
Area	square meter	m ²	metre square
Volume	cubic meter	m ³	metre cube
Mass	kilogram	kg	kilo
Force	newton	N	newton
Energy	joule	J	joule
Power	watt	W	watt
Pressure	pascal	Pa	pascal
Temperature	celsius	°C	centigrade
Time	second	s	sec
Frequency	hertz	Hz	hertz
Speed	meter per second	m/s	metres per second
Acceleration	meter per second squared	m/s ²	metres per second squared
Angular Velocity	radian per second	rad/s	radians per second
Angular Acceleration	radian per second squared	rad/s ²	radians per second squared

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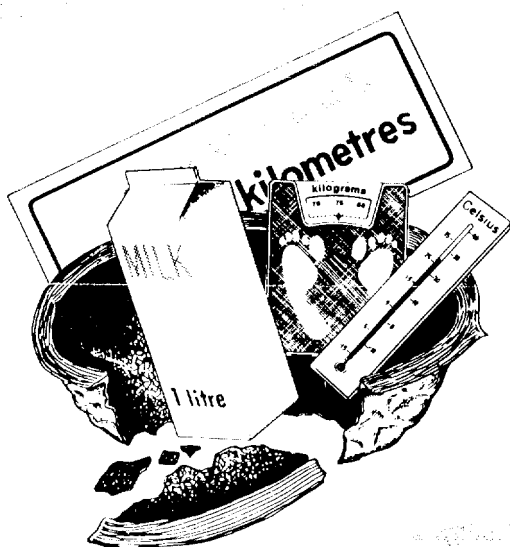
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HOW THE NEW METRIC LAW WILL AFFECT YOU
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By the Editors of the American Metric Journal and Robert A. Hopkins,
 Director, U.S. Metric Association.

EVERYDAY METRIC for Everyone

For the Student, Teacher,
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 and Merchant. . .

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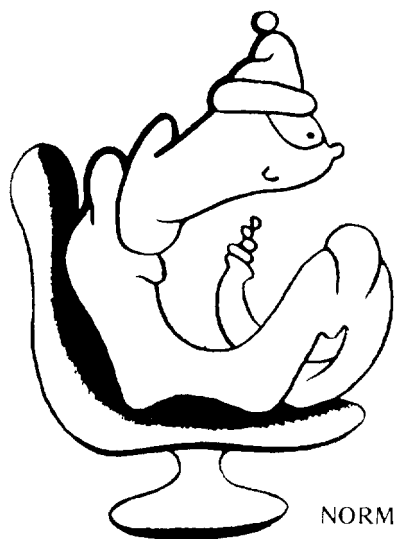
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By:
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20°

How to Go Metric Without Getting Clobbered

NORMAL ROOM TEMPERATURE

"SOON YOU'LL NEED METRIC
TO HANG ON TO YOUR JOB"

FEDERAL GUIDELINES

CONVERSIONS

BASE UNITS

PREFIXES

LINEAR



HOW IT WORKS



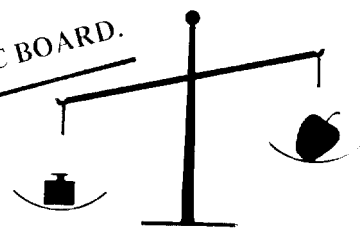
'Everyday' Metric

METRIC SHOPPING

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PRESIDENT CARTER APPOINTS FEDERAL METRIC BOARD.



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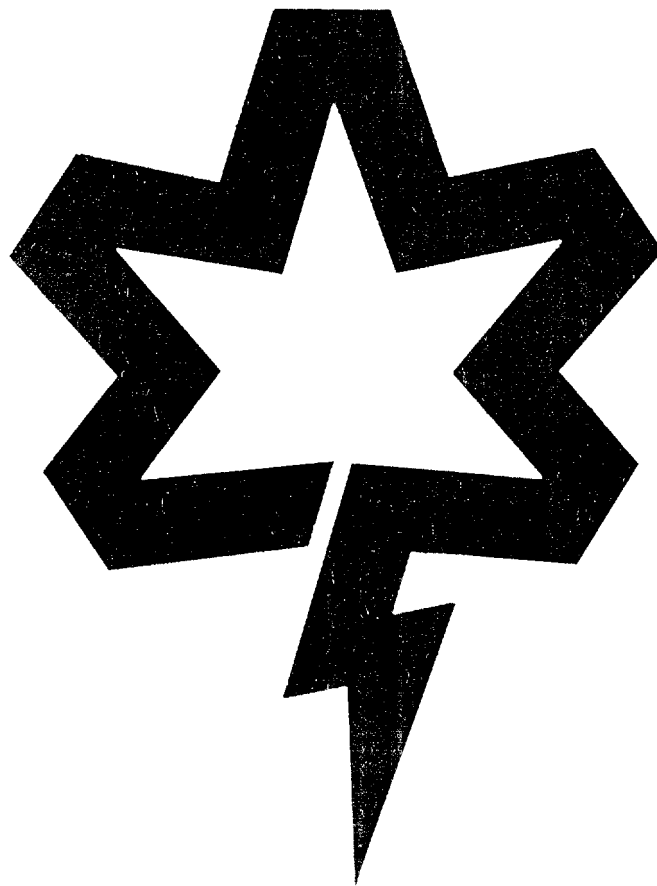
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Canadian Association
Electrical Canadienne de
Association l'Electricité



Action in SI

SI Seminar
May 10-11-12, 1978
Hyatt Regency Toronto
21 Avenue Road
Toronto, Ont. M5R 2G1

CEA ACTION IN SI SEMINAR

Hyatt Regency Toronto – Toronto, Ontario

•WEDNESDAY: 10 MAY 1978

19:00 — Registration
Hospitality Suite, Exhibits, Films

SEMINAR GENERAL CHAIRMAN

W. OLINOSKI

Ontario Hydro

WELCOME:

E.E. COPPING

Hydro-Québec

Chairman,

CEA Metric Conversion Committee

•THURSDAY: 11 MAY 1978

08:00 — Registration: Coffee and Rolls

08:45 — **OPENING REMARKS:**

W. OLINOSKI

Ontario Hydro

OUTLINE OF PROGRAM:

D. ROSSI

Calgary Power Ltd.

09:00 — **WELCOME TO TORONTO**

09:15 — Keynote Speaker:

W.S. READ

President, Canadian Electrical Association;

Senior Vice-President, Newfoundland
and Labrador Hydro;

President, Churchill Falls (Labrador)
Corporation Limited

09:45 — **THE CANADIAN SCENE:**

P. BOIRE

Executive Director,

Metric Commission Canada

10:15 — Coffee

10:30 — **THE U.S. SCENE:**

R.M. HURD

Chairman,

American National Metric Council;

Vice President, Engineering,

Bethlehem Steel Corporation

11:00 - ACCOMPLISHMENTS IN JANUARY:

H STAPLES

Director, Metric Conversion,
Standards Council of Canada

11:30 - INDUSTRY VIEWPOINT:

A. GRAY

Member, Board of Directors, and
Vice-Chairman, Ontario Division,
Canadian Manufacturers' Association,
President, Gray Tool Company

12:15 - Reception and Luncheon

Guest Speaker:

W.R. KRUESI

Consultant, National and International
Standards; Corporate Executive Staff,
General Electric Company, and Corporate
Metric Conversion Co-ordinator

14:00 - 16:30

CONCURRENT DISCUSSION GROUPS

General Chairman: **W. OLINOSKI**

*** GROUP No. 1:**

MATERIAL AND SUPPLIERS

Group Leader:

G.N. STAN

Ontario Hydro

*** GROUP No. 2:**

DESIGN AND CONSTRUCTION

Group Leader:

D. ROSSI

Calgary Power Ltd.

*** GROUP No. 3:**

GOVERNMENT/INDUSTRY INTERFACE

CO-ORDINATION & PLANNING

Group Leader:

V.A. TAYLOR

Canadian General Electric Co. Ltd.

*** GROUP No. 4:**

TRAINING

Group Leader:

W.B. COLEMAN

Ontario Hydro

18:00 - Reception

19:00 - BANQUET

Guest Speaker:

D.R.B. MCARTHUR

Chairman,
Metric Commission Canada

*** FRIDAY: 12 MAY 1978**

Session Chairman:

J.L. CAMPBELL

Saskatchewan Power Corporation

19:00 - NATIONAL AWARENESS:

Presentation: Metric Commission Canada

10:00 - THE ONTARIO PICTURE:

D.E. HOLLAND

Co-Ordinator,
Metric Conversion and Standards,
Province of Ontario

10:30 - Coffee

10:45 - SECTOR 3.06 ELECTRIC POWER

UPDATE AND PLANS:

Panel Chairman: **E.E. COPPING**

*** REPORT FROM QUEBEC**

E.E. COPPING

Hydro-Québec

*** REPORT FROM BRITISH COLUMBIA**

L.F. TOTH

British Columbia Hydro and
Power Authority

*** REPORT FROM PRAIRIE PROVINCES**

L.J. FRANKENBERGER

Manitoba Hydro

*** REPORT FROM ATLANTIC PROVINCES**

M. MERSEUREAU

The New Brunswick Electric Power
Commission

*** REPORT FROM ONTARIO**

R.J. ROSS

Ontario Hydro

12:00 - ACTION FROM NOW:

J. KIURU

Nova Scotia Power Corporation

Canadian
Electrical
Association
Action in SE seminar
10-11-12 May, 1978
Hyatt Regency Toronto
Toronto, Ontario

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NAME

BADGE NAME:

TITLE:

COMPANY

ADDRESS:

REGISTRATION FEE: \$90.00

A ladies program has been arranged.

LADIES REGISTRATION FEE: \$25.00

Please indicate ladies' first name above:

cheque payable to:

CANADIAN ELECTRICAL ASSOCIATION

Please indicate which discussion group
you wish to attend on Thursday in
order of preference:

GROUP No. 1 ☐

GROUP No. 2 ☐

GROUP No. 3 ☐

GROUP No. 4 ☐

Please register early. Facilities are limited.
Priority will be given to date of receipt
of registration.

Forward cheque and form to:

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Action in SI Seminar
Suite 580
1 Westmount Square
Montreal, Quebec
H3Z 2P9

Note:

The enclosed hotel reservation request card should be returned directly to the Hyatt Regency Hotel.

Sector Committee 3.06 Electric Power

E.E. COPPING, Chairman
Hydro-Québec

J.L. CAMPBELL, Vice-Chairman
Saskatchewan Power Corporation

J. COBLENZ
British Columbia Hydro and Power Authority

I.M. CLARK
Canadian Electrical Association

H.M. ROBINSON
Canadian Standards Association

L.J. FRANKENBERGER
Manitoba Hydro

G.M. DLUGOSCH
Newfoundland and Labrador Hydro

G. SWAIN
Metric Commission Canada

J. KIURU
Nova Scotia Power Corporation

W. OLINOSKI
Ontario Hydro

D. ROSSI
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M. MERSEREAU
The New Brunswick Electric Power Commission

V.A. TAYLOR
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